



**Quality Operating Guidelines  
Customer Ingredient Specifications**

**TITLE: CRANBERRY JUICE CONCENTRATE,  
ESSENCE RETURNED**

**UPC: 94040, 94041, 93386**

**DATE: 2 March 2016**

**SUPERSEDES: 23 March 2015**

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**PRODUCT DESCRIPTION:**

The concentrate is prepared from depectinized, filtered juice derived from properly matured, cleaned cranberries (Genus/species, *Vaccinium macrocarpon*). It is concentrated under low temperatures and vacuum, and the essence fraction is returned. Processing conforms to all provisions of the Food, Drug and Cosmetic Act and the Code of Federal Regulations, Title 21, Part 110, current Good Manufacturing Practices, and Part 120, Juice HACCP. This ingredient has received a heat treatment sufficient to yield a 5-log pathogen reduction.

SPECIFICATIONS	TOLERANCE	METHOD
Brix	50.0° ± 0.5°	Refractometer reading
Ratio	3.2 - 4.2	° Brix /% Acid
Titrateable Acidity (as citric, w/w)	12.5% minimum	Titration
Haze	<10 NTU at 7.5° Brix	Hach meter
Color	Typical dark, clear cranberry red	Visual
Color Intensity	Read and record	@7.5 Bx (ABS @520 x DF 20) (pH 3.2 buffer)
Color Ratio	As Calculated	(520/430)
Flavor and Odor	Typical tart, fruit flavor w/no off flavors or odors	Sensory
<b>MICROBIOLOGICAL</b>		
Yeast	< 100 cfu/gram	Microbiological methods as described by the Association of Official Analytical Chemists (AOAC), American Public Health Association (APHA), NCh, or BAM (Bacteriological Analytical Manual, FDA)
Mold	< 50 cfu/gram	
Aerobic Plate Count	< 500 cfu/gram	

Samples should be thawed and **mixed thoroughly** before analyzing.

**Ocean Spray Cranberries Ingredient Technology Group**  
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**PACKAGING**

**UPC 94040** 55 gallon open head drums, filled to 50 gallons. Product contained within a 2 mil (minimum) polyethylene liner sealed with a plastic tie, placed within a 10 mil polyethylene liner. For security, the drums are sealed with a tamper proof multilock seal. Drums and lids contain no bungholes.

**UPC 94041** Five gallon polyethylene carboys.

**LABELING**

All containers shall bear the following information: name of product, UPC, net contents, Ocean Spray® name and address, °Brix, pack date, best before date (month/day/year), lot number, drum number, product of USA and/or Canada, and Circle U (for Kosher).

**SHIPPING & STORAGE RECOMMENDATIONS**

Ship and store at 0°F ± 15°F (-18°C ± 9°C). (Dry shipment available at customer's request.)

**EXPECTED SHELF-LIFE**

Two years, if kept frozen. Product is subject to fermentation after thawing.

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